

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. Cancelled.

2. Cancelled.

3. Cancelled.

4. (Currently amended): An immobilization support comprising, on the surface of the support, an electrolyte thin film as an adsorbing film for binding a material, wherein the electrolyte thin film comprises alternating layers of a polyanionic thin film and a polycationic thin film so that the uppermost layer is a polycationic thin film, wherein

the electrolyte thin film is formed by using a solution comprising at least one selected from a group consisting of a water-soluble polymer and a salt of water-soluble polymer and the solution does not include a separate inorganic salt.

5. (Previously presented): The immobilization support according to Claim 4 wherein the immobilization support is capable of immobilizing a material that binds to a substance to be detected or a material that has an affinity therefor.

6. (Previously presented): The immobilization support according to Claim 4 wherein the immobilization support is capable of immobilizing a biologically-derived material such as a protein, a glycoprotein, a peptide, a glycopeptide, a polysaccharide, a nucleic acid, a lipid, or a glycolipid, a cell, or a material that binds thereto or a material that has an affinity therefor.

7. (Previously presented): A solid phase wherein a material that binds to a substance to be detected or a material that has an affinity therefor is immobilized on the immobilization support according to Claim 4.

8. (Previously presented): A solid phase wherein a biologically-derived material such as a protein, a glycoprotein, a peptide, a glycopeptide, a polysaccharide, a nucleic acid, a lipid, or a glycolipid, a cell, or a material that binds thereto or a material that has an affinity therefor is immobilized on the immobilization support according to Claim 4.

9. (New): The immobilization support according to Claim 4, wherein
the material comprise a protein, and
the electrolyte thin film comprises alternating layers of a polyallylamine thin film and a polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

10. (New): The immobilization support according to Claim 9 wherein
the protein comprises at least one selected from a group consisting of mite antigen protein, aldolase, and lysozyme.

11. (New): The immobilization support according to Claim 10 wherein
the electrolyte thin film comprises alternating 5 to 20 layers of a polyallylamine thin film and a polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

12. (New): The immobilization support according to Claim 9 wherein
the protein comprises mite antigen protein, and
the electrolyte thin film comprises alternating 20 layers of a polyallylamine thin film and a polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

13. (New): The immobilization support according to Claim 9 wherein
the protein comprises aldolase, and
the electrolyte thin film comprises alternating 5 layers of a polyallylamine thin film and a polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

14. (New): The immobilization support according to Claim 9 wherein
the protein comprises lysozyme, and
the electrolyte thin film comprises alternating 9 layers of a polyallylamine thin film and a polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

15. (New): A mite allergy diagnostic kit comprising the immobilization support according to Claim 4.

16. (New): An immobilization support comprising, on the surface of the support, and electrolyte thin film as an adsorbing film binding a protein, wherein the electrolyte thin film comprises alternating layers of a polyallylamine thin film and a polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

17. (New): The immobilization support according to Claim 16 wherein
the protein comprises at least one selected from a group consisting of mite antigen protein, aldolase, and lysozyme.

18. (New): The immobilization support according to Claim 17 wherein
the electrolyte thin film comprises alternating 5 to 20 layers of a polyallylamine thin film and a polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

19. (New): The immobilization support according to Claim 16 wherein
the protein comprises mite antigen protein, and
the electrolyte thin film comprises alternating 20 layers of a polyallylamine thin film and
a polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

20. (New): The immobilization support according to Claim 16 wherein
the protein comprises aldolase, and
the electrolyte thin film comprises alternating 5 layers of a polyallylamine thin film and a
polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

21. (New): The immobilization support according to Claim 16 wherein
the protein comprises lysozyme, and
the electrolyte thin film comprises alternating 9 layers of a polyallylamine thin film and a
polyacrylic acid thin film so that the uppermost layer is a polyallylamine thin film.

22. (New): A mite allergy diagnostic kit comprising the immobilization support
according to Claim 16.

23. (New): An immobilization support comprising, on the surface of the support, an
electrolyte thin film as an adsorbing film for binding a material, wherein the electrolyte thin film
comprises alternating layers of a polyanionic thin film and a polycationic thin film so that the
uppermost layer is a polycationic thin film, wherein

at least one layer is formed by using a solution comprising a salt of water-soluble
polymer.

24. (New): A mite allergy diagnostic kit comprising the immobilization support according to Claim 23.

25. (New): An immobilization support comprising, on the surface of the support, an electrolyte thin film as an adsorbing film for binding a material, wherein the electrolyte thin film comprises alternating layers of a polyanionic thin film and a polycationic thin film so that the uppermost layer is a polycationic thin film, wherein the electrolyte thin film is formed by using a solution consisting essentially of water and at least one selected from a group consisting of a water-soluble polymer and a salt of water-soluble polymer.